

5th National Forum on Biomedical Imaging in Oncology
January 29-30, 2004
Hyatt Regency Bethesda – Crystal Ballroom

Presented by: National Cancer Institute, Food and Drug Administration, Centers for Medicare and Medicaid Services and National Electrical Manufacturers Association

Sponsored by: National Institutes of Health/Foundation for Advanced Education in the Sciences (NIH/FAES)



Program

January 29

- 7:30 am **Continental Breakfast**
- 8:30 am **Introductions and Objectives**
Ellen G. Feigal, M.D., Acting Director, Division of Cancer Treatment and Diagnosis (DCTD), National Cancer Institute (NCI)
- 8:35 am **Introductory Remarks From Industry**
Robert Britain, Vice President, Medical Products, National Electrical Manufacturers Association
- 8:40-11:00 am **Forum Issues: Updates**
- 8:40 **Food and Drug Administration (FDA)**
David Feigal, Jr., M.D., M.P.H., Director, Center for Devices and Radiological Health (CDRH), FDA
Janet Woodcock, M.D., Director, Center for Drug Evaluation and Research (CDER), FDA
- 9:10 **Centers for Medicaid and Medicare Services (CMS)**
Sean Tunis M.D., M.Sc., Chief Medical Officer and Director, Office of Clinical Standards and Quality, CMS
- 9:40 **Break**
- 10:10 **National Cancer Institute (NCI)**
Ellen G. Feigal, M.D., Acting Director, DCTD, NCI
- 10:40 **Discussion**
- 11:00 am **New Vistas Lecture - “Clinical Needs and Future Challenges for Molecular Imaging”**
Susan Love, M.D., M.B.A., Medical Director, Susan Love MD Breast Cancer Research Foundation and Clinical Professor of Surgery, David Geffen School of Medicine, University of California, Los Angeles
- 11:30 am **Discussion**
- Noon **Lunch**
- 1:00 pm **Ovarian Cancer - An Ideal Model for Molecular Imaging Technologies**
Michael V. Seiden, M.D., Ph.D., Chairman, Gynecologic Oncology Research, Dana Farber-Partners CancerCare and Assistant Professor of Medicine, Harvard Medical School
- 1:30 pm **The Potential of Proteomics**
Leland H. Hartwell, Ph.D., President and Director, Fred Hutchinson Cancer Research Center

- 2:00 pm **Optical Technologies for In Vivo Imaging**
Kamran Badizadegan, M.D., Assistant Professor of Pathology, Massachusetts General Hospital, Harvard Medical School and Visiting Scientist, G.R. Harrison Spectroscopy Laboratory, Massachusetts Institute of Technology
- 2:30 pm **Break**
- 3:00 pm **Quantum Dots for In Vivo Imaging**
Shuming Nie, Ph.D., Director of Cancer Nanotechnology, Winship Cancer Institute and Associate Professor of Biomedical Engineering, Chemistry, Hematology and Oncology, Emory University
- 3:30 pm **Basics of PHAGE Display for Imaging Agent Development**
Susan Deutscher, Ph.D., Associate Professor of Biochemistry, University of Missouri
- 4:00 pm **Panel Discussion**
Chair: Daniel Sullivan, M.D., Associate Director, Cancer Imaging Program, DCTD, NCI
Panelists: Speakers from the afternoon session; Steve Gutman, M.D., M.B.A., Director, Office of In Vitro Diagnostic Safety and Evaluation, CDRH, FDA; George Mills, M.D., Chief, Oncology Branch, Division of Clinical Trial Design and Analysis, Office of Therapeutic Research and Review, CDER, FDA; and William Sacks, M.D., Ph.D., Medical Officer, Office of Device Evaluation, Division of Reproductive, Abdominal and Radiological Devices, CDRH, FDA
- 5:00 pm **Adjourn**

January 30

- 7:30 am **Continental Breakfast**
- 8:00 am **Current Patient Management with Molecular Imaging**
David Mankoff, M.D., Ph.D., Associate Professor of Radiology, University of Washington
- 8:30 am **The Potential of Nanotechnology in Cancer Diagnosis and Treatment**
Mauro Ferrari, Ph.D., Associate Vice President, Heart and Lung Institute and Professor of Biomedical Engineering, Cardiology, and Health Services Administration, Ohio State University
- 9:00 am **“The Nanolab”: The Potential for Technology Integration**
James Heath, Ph.D., Elizabeth W. Gilloon Professor of Chemistry, California Institute of Technology
- 9:30 am **Break**
- 10:00 am **Contrast Ultrasound Imaging and Local Drug Delivery**
Katherine Ferrara, Ph.D., Professor and Chair, Department of Biomedical Engineering, University of California, Davis
- 10:30 am **Compound Product: Digital Mammography with Integrated Ultrasound**
Morgan Nields, President and CEO, SenoLase Inc.
- 11:00 am **Computer-Aided Detection or Computer-Aided Diagnosis: Integration with Imaging**
Maryellen Giger, Ph.D., Professor of Radiology and College Director, Graduate Programs in Medical Physics, University of Chicago
- 11:30 am **Panel Discussion**
Chair: C. Carl Jaffe, M.D., Chief, Diagnostic Imaging Branch, Cancer Imaging Program, DCTD, NCI
Panelists: Speakers from the morning session and Daniel Schultz, M.D., Deputy Director, Office of Clinical and Review Policy, CDRH, FDA
- Noon **Summary and Adjourn**